Index of Claims

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| Application/Control No. | Applicant(s)/Patent under Reexamination | • |
|-------------------------|---|---|
| 09/967,305              | RICHARDSON ET AL.                       |   |
| Examiner                | Art Unit                                |   |
| MINH-TAM DAVIS          | 1642                                    |   |

| 1  | Rejected | _ | _ | (Through numeral)<br>Cancelled |
|----|----------|---|---|--------------------------------|
| 11 | Allowed  | - | + | Restricted                     |

| Ν | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Clair         | m                               | a/              |              |        | Dat  | е  |  |                  | 7          | Cla      | aim      |                 |               |             | Dat  | <del></del>     |                         |         | CI    | aim         |               |          |              |          | ate      | 3            |  |          |      |
|---------------|---------------------------------|-----------------|--------------|--------|--|--|--|------------------|------------|----------|----------|-----------------|---------------|-------------|--|-----------------|-------------------------|---------|-------|-------------|---------------|----------|--------------|----------|----------|--------------|--|----------|------|
|               | =                               | Q               |              |        |  |  |  |                  | 1          |          | <u> </u> | 6               |               |             |  |                 |                         |         |       | _           |               |          |              |          |          |              |  | $\Box$   |      |
| Final         | Original                        |                 |              |        |  |  |  |                  |            | Final    | Original | 1               |               |             | İ  |                 |                         | :::::   | Final | Original    |               |          |              |          |          |              |  |          |      |
| 🖆             | <b>.</b> [2]                    | X               |              |        |  |  |  |                  |            | 证        | i.       | 1/2             | LΙ            |             |  |                 |                         |         | li⊑   | Ē           |               |          |              |          |          |              | .  |          |      |
|               | ۱                               | 02/17           |              |        |  |  |  |                  |            |          | 0        | 0               |               |             |  |                 |                         | *****   |       | U           |               |          |              |          |          |              |  |          |      |
|               | 7                               |                 |              |        |  |  |  |                  | <b>1</b>   |          | 5‡       |                 | Ī             | $\neg$      | $\top$   |                 |                         |         |       | 101         |               |          |              |          |          |              |  | 寸        |      |
|               | 2                               |                 | $\neg$       |        |  |  |  |                  |            |          | 52       |                 | T             |             | 1  |                 | 1-1                     |         |       | 102         |               |          |              |          |          |              |  | 寸        |      |
|               | 3                               | $\neg \uparrow$ |              |        |  |  |  |                  | 1          |          | 53       |                 | $\neg$        | $\neg$      | 十  |                 | 11                      |         |       | 103         |               |          |              |          |          |              |  | 十        |      |
|               | 4                               |                 |              |        |  |  |  |                  | 1          |          | 54       |                 |               | $\neg$      | T  |                 |                         |         |       | 104         |               |          |              |          | $\neg$   |              |  | 寸        |      |
|               | 5                               |                 |              |        | 1  |  |  |                  | 1          |          | 5\$      |                 |               |             | 1  |                 |                         |         |       | 105         |               |          |              |          |          |              | $\Box$   | $\top$   |      |
|               | 6                               |                 | $\neg$       | _      | T  |  |  | $\neg$           | <b> </b>   |          | 56       |                 |               |             | <del>                                     </del> |                 | 11                      |         |       | 106         |               |          |              |          | _        |              |  | 一        |      |
|               | 7                               |                 |              |        | $\dagger$  | M  |  | _                |            |          | 57       |                 |               |             | $\top$   |                 | 11                      | - ::::: |       | 107         |               |          |              |          | $\neg$   |              |  | _        |      |
|               | 8                               |                 | $\neg$       | $\top$ | 1  |  |  |                  | -          |          | 58       |                 |               | $\dashv$    | $\top$   |                 | 1-1                     |         |       | 108         | H             | $\dashv$ | $\dashv$     |          |          |              |  | 十        |      |
|               | Ь                               |                 | $\neg$       | $\top$ | <del>                                     </del> |  |  |                  |            |          | 59       | V               |               | $\top$      | +  |                 | 11                      |         |       | 109         |               | $\dashv$ | ┰            |          |          |              | $\dashv$   | 十        |      |
|               | 10                              |                 |              |        | <del>                                     </del> | <del>                                     </del> | $\Box$   | $\neg$           | <b>-</b>   |          | 60       | Ť               |               |             | $\top$   |                 | ++                      |         |       | 110         | $\vdash$      | -        |              |          | _        |              | $\neg$   | $\dashv$ | _    |
|               | 1/1                             |                 |              |        | $\dagger$  | m  |  | <del>-   -</del> | <b>-</b>   |          | 61       | Н               |               |             | +  |                 | ++                      |         |       | 111         |               | _        | _            |          | $\dashv$ |              | _  | 十        |      |
| -             | 12                              | _               | -            | +      |  | $\Box$   |  | $\dashv$         | 1          |          | 62       | HH              |               | -           | +  | $\vdash \vdash$ | +++                     |         |       | 112         | $\vdash$      | -        | $\dashv$     |          | $\dashv$ |              | +  | $\dashv$ | _    |
|               | 13                              | -+              | +            |        | +  | H  |  | <del> -</del>    | 1          |          | 63       | H               | $\dashv$      | +           | +  |                 | ++                      |         |       | 113         | $\vdash$      | $\dashv$ |              |          | $\dashv$ |              | $\dashv$   | $\dashv$ | _    |
|               | 14                              | _               | +            | +      | +  | $\Box$   | $\vdash \vdash$                                  | +                | 1          | <b> </b> | 64       | H               | $\dashv$      | $\dashv$    | +  |                 | +                       |         |       | 114         | H             | $\dashv$ | $\dashv$     | _        |          |              | _  | $\dashv$ | _    |
|               | 15                              | -               |              | +      | +  | Н  | $\vdash \vdash$                                  | <del> -</del>    | 1          | -        | 65       | H               |               | -           | +  |                 | +-+                     | -       |       | 115         | H             | $\dashv$ | -            |          |          |              | $\dashv$   | $\dashv$ |      |
|               | 16                              |                 | +            | +      | +  |  |  |                  | -          |          | 66       | Н               | $\dashv$      | $\dashv$    | +  |                 | +                       |         |       | 116         | $\vdash$      | $\dashv$ |              |          |          |              | $\dashv$   | $\dashv$ |      |
|               | 7                               | $\dashv$        |              | +      | +  |  | <del>                                     </del> |                  | -          |          | 67       | HH              |               | -           | +-   | -               | +++                     | -       |       | 117         | $\mid - \mid$ | $\dashv$ |              |          |          |              | $\dashv$   | $\dashv$ |      |
|               | 18                              |                 | $\dashv$     | +      | +  |  |  |                  | -          |          | 68       |                 | -             | $\dashv$    | +  | $\vdash$        | +                       | -       |       | 118         |               | $\dashv$ | $\dashv$     |          |          | $\dashv$     | $\dashv$   | +        |      |
|               | 19                              |                 | -            | +      | +  |  |  | +                |            |          | 69       | H               | -             | $\dashv$    | +  | $\vdash$        | +                       | -       |       | 119         | $\vdash$      |          | $\dashv$     |          |          | -            |  | +        | —    |
|               | 20                              | -               | +            | +      | +  |  |  |                  | 1          |          | 70       | Н               | -             | -+          | ╫  | ├├-             | +-+                     |         |       | 120         |               |          |              |          |          | $\dashv$     | $\dashv$   | $\dashv$ |      |
|               | 21                              |                 | $\dashv$     | +      | +  | -  |  |                  | 1          |          | 71       |                 | $\dashv$      | +           | +-   | <del>  -</del>  | +++                     | -       |       | 121         | -             |          |              | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$   | $\dashv$ |      |
|               |                                 | $\dashv$        | $\dashv$     | +      | +  | -  | $\dashv$   |                  | -          | -        | 72       |                 |               |             |  |                 | +                       | -       |       | <del></del> |               |          | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$   |          |      |
|               | 22<br>23                        | $\dashv$        |              | +-     | ╫  |  |  | -                | -          |          | 73       |                 |               |             | +  |                 | +                       |         |       | 122<br>123  |               |          | $\dashv$     | $\dashv$ | $\dashv$ |              |  | +        |      |
|               | 24                              | $\dashv$        | <del> </del> | +      | +  |  | $\vdash$   |                  | -          |          | 74       | H               |               | +           | +  | -               | +-+                     | - ::::  |       | 123         |               |          |              | ᆔ        | -        |              |  | $\dashv$ |      |
|               | 25                              | -+              | +            | +      | ╫  | Н  |  |                  | -          |          | _        | Н               | -             | -           | ╂  |                 |                         |         |       | -           |               |          | $\dashv$     |          |          |              | $\dashv$   | $\dashv$ |      |
|               | <del>2</del> 6                  |                 |              | +      | ╁  |  |  |                  | -          |          | 75<br>76 |                 | $\dashv$      | _           | +  | -               |                         |         |       | 125         |               |          |              |          | $\dashv$ | $\dashv$     | $\dashv$   | $\dashv$ |      |
| -             | <del>40</del><br><del>2</del> 7 |                 |              | +      | ╁  | $\vdash$   |  |                  | -          |          | 77       | H               |               | -           | +-   | $\vdash$        | +-+                     |         |       | 126         |               |          |              | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$   | $\dashv$ |      |
|               | <u>4</u> γ<br>2β                |                 |              | +      | ╁  |  | $\dashv$   | -                | -          |          |          |                 |               | _           | +  |                 |                         |         |       | 127         |               | -        |              |          | $\dashv$ | $\dashv$     | $\dashv$   | $\dashv$ |      |
|               |                                 | $\dashv$        |              |        | +-   |  | $\dashv$   |                  | -          |          | 78       | V               |               | _           | +  | -               | ++                      | - ::::  |       | 128         |               | $\dashv$ |              | _        | $\dashv$ |              | $\dashv$   | $\dashv$ |      |
|               | 29<br>20                        | -               |              |        | +  |  | $\dashv$   | +                |            |          |          | <u> </u>        |               | -           | +-   | <del>-  </del>  |                         | -       |       | 129         |               | $\dashv$ |              |          | _        |              | $\dashv$   | $\dashv$ | _    |
| <del></del>   | 30                              | -               |              | -      | +  | $\vdash$   | $\dashv$   |                  | -          |          | 80       | $\square$       |               |             | -  | <b>  -</b>      |                         |         |       | 130         |               |          | _            | _        |          | _            | $\dashv$   | $\dashv$ |      |
|               | 31                              |                 | _            | +      | -  |  |  |                  | -          |          | 81       |                 |               |             | -  | -               |                         | _       |       | 131         |               |          |              | _        |          | _            | $\dashv$   | $\dashv$ |      |
|               | 3 <b>£</b>                      |                 | +            |        | +  | 1777   |  |                  | -          |          | 82       |                 |               |             |  |                 | +                       |         | L     | 132         | Ш             |          |              |          |          |              |  |          |      |
|               | 33                              | Y               |              | 4      | Ш  | Ш  |  |                  | 4          | ļ        | 83       |                 |               |             | $\perp$  |                 |                         |         |       | 133         | ,             |          |              |          |          |              |  |          |      |
| $\overline{}$ | 34                              | <del>*</del>    | <del></del>  | _      | Т  |  | 1  | <del></del>      | ק<br>ייייר |          | 84       |                 | Т             | <del></del> | <del></del>                                      |                 | <u></u>                 | $\neg$  |       | 134         |               |          |              | 1        |          |              | _  | _        | -3   |
|               | 35                              |                 | -            | _      | -  | $\square$  |  |                  | -          | <u></u>  | 85       | $\vdash \vdash$ | $\dashv$      |             | -  | -               | +-+                     |         |       | 135         |               | _        | _            | $\dashv$ |          |              | 4  | $\dashv$ | 4    |
| <u> </u>      | 36                              | -               |              | -      | $\vdash$   | $\square$  | <del>                                     </del> |                  | -          |          | 86       | Ш               | $\dashv$      |             | <del> </del>                                     | $\vdash \vdash$ |                         |         |       | 136         | $\sqcup$      |          |              | ļ        |          |              | $\rightarrow$  | $\dashv$ |      |
|               | 37                              | _               |              | +      | _  | $\square$  |  |                  | -          |          | 87       | Н               | _             |             | _  |                 | 4-4                     | _       |       | 137         | $\square$     |          |              | _        |          |              | $\dashv$   | $\dashv$ |      |
|               | 3 <u>B</u>                      | 4               | _            | +      | <u> </u>   |  |  | _                | 4          |          | 88       |                 | _             |             | 4  |                 |                         |         |       | 138         |               |          |              |          |          | _            | $\dashv$   | 4        |      |
|               | 3 <del>b</del>                  | _               |              | +      | -  |  |  |                  |            |          | 89       |                 |               |             |  |                 |                         | _       |       | 139         | $\sqcup$      | $\dashv$ | $\downarrow$ | _        | _        | $\downarrow$ | $\dashv$   | $\dashv$ |      |
|               | <b>4</b> 0                      |                 |              | +      |  |  |  | _                |            |          | 90       | Щ               | $\rightarrow$ |             | -  |                 | +                       | _       |       | 140         |               |          |              |          |          |              | $\dashv$   | $\dashv$ |      |
|               | 41                              |                 |              | _      | _  | $\sqcup$   |  |                  |            |          | 91       | $\square$       | _             |             |  | igspace         | $\bot$                  |         |       | 141         | Щ             |          |              |          |          |              | $\perp$  |          |      |
|               | 42                              |                 |              |        |  |  |  |                  |            |          | 92       | Щ               | _             |             |  |                 | $\bot$                  |         |       | 142         |               |          |              |          |          |              | $\perp$  | $\perp$  |      |
|               | 43                              |                 |              | -      |  |  |  |                  | 4          | L        | 93       | Щ               |               |             | <del> </del>                                     |                 | $\bot \bot$             | _ ::::  |       | 143         |               |          |              |          |          |              |  |          | - 13 |
|               | 44                              | $\bot$          |              |        | <del> </del>                                     | Ш  |  |                  |            |          | 94       | Щ               | _             |             |  |                 | $\downarrow \downarrow$ |         |       | 144         |               |          |              |          |          |              | $\perp$  | $\bot$   |      |
|               | 45                              |                 |              |        | $\vdash$   | Ш  |  | $\perp$          |            |          | 95       | Щ               |               |             |  |                 | $\perp \perp$           |         |       | 145         |               |          |              |          |          |              |  | $\perp$  |      |
| <u> </u>      | 46                              | _               |              | _      |  | Щ  | $\perp$  |                  |            |          | 96       |                 | $\dashv$      | $\perp$     |  |                 | 11                      | _       |       | 146         |               |          | [            |          |          |              |  | $\perp$  |      |
|               | 47                              | 1110            | THE          |        | 1  |  |  | 70               |            |          | 97       |                 |               |             |  |                 |                         |         |       | 147         |               |          |              |          |          | $\prod$      | [  |          |      |
|               | 4B                              |                 |              |        |  |  |  |                  |            |          | 98       |                 |               |             |  |                 |                         |         |       | 148         |               |          |              |          |          |              |  |          |      |
|               | 49                              |                 |              |        |  | Ш  |  |                  |            |          | 99       |                 |               |             |  |                 |                         |         |       | 149         |               |          |              |          |          |              | $oldsymbol{ol}}}}}}}}}}}}}}} $ |          |      |
|               | <b>5</b> 0                      |                 |              |        |  |  |  |                  | ]          |          | 100      |                 |               |             |  |                 |                         |         |       | 150         |               |          |              |          | Ī        | Ī            | T  |          |      |